

TGV TRILATERAL

TRILATERAL AUTOMATIC
VEHICLES



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This type of TecnoFerrari automatic vehicles is suitable for use in high-density warehouses where it is necessary to optimise available space. They can reach high heights and are able to access racking and shelves to pick up or deposit goods. Thanks to the trilateral movement of the fork unit, i.e. its rototranslation, this type of vehicle has a reduced manoeuvring space and allows the design and construction of aisles with restricted space and dimensions. The automatic three-sided vehicles are capable of moving with laser or magnetic or mixed (laser and magnetic combination) guidance technology. Recharging can take place automatically in a battery charging station, in which case the TGV dedicates the waiting time to self-recharging the batteries, or through an automatic battery change. The vehicles are equipped with reliable active and passive safety systems to continuously monitor the surrounding space and avoid any accidental collisions. The safety features include proximity laser scanner, mechanical bumpers, side strips, horns and flashing beacons.

ADVANTAGES

- Maximum utilisation of storage area
- Reduced aisle dimensions
- Height utilisation
- Flexibility: possibility of using the same vehicle in several lanes
- Automatic reloading
- Laser, magnetic, mixed guidance
- High precision



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